



DECLARATION OF ALEXANDROS MAKRIYANNIS UNDER 37 C.F.R. 1.131

I, Alexandros Makriyannis, hereby declare:

I am a co-inventor named in U.S. Patent Application No. 09/328,742. I have reviewed this application.

2. I am a co-author of a printed publication article titled "Functional Role of High-Affinity Anandamide Transport, as Revealed by Selective Inhibition" published in SCIENCE, volume 277, pages 1094 -1097 and dated August 22, 1997. I have reviewed this article.
3. Attached hereto are documents containing facts showing the preparation of N-(4-hydroxyphenyl)arachidonylamide (compound AM404) in the United States before August 1, 1997. The dates on all documents have been redacted, which dates are prior to August 1, 1997.
4. Also attached hereto are documents containing facts showing that N-(4-hydroxyphenyl)arachidonylamide (compound AM404) was tested in the United States before the August 1, 1997. The dates on all documents have been redacted, which dates are prior to August 1, 1997.
5. Exhibit A is a photocopy of pages of a laboratory notebook illustrating an experiment testing compound AM404 for anandamide uptake in cells. These pages have been labeled with numbers 000001 to 000004 for convenience.
6. Exhibit B is a photocopy of pages of a laboratory notebook illustrating another experiment testing compound AM404 for anandamide uptake in cells. These pages have been labeled with numbers 000005 to 000008 for convenience.
7. Exhibit C is a photocopy of pages of a laboratory notebook illustrating another experiment testing compound AM404 for anandamide uptake in cells. These pages have been labeled with numbers 000009 to 000012 for convenience.
8. Exhibit D is a photocopy of pages of a laboratory notebook illustrating another experiment testing compound AM404 for anandamide uptake in cells. These pages have been labeled with numbers 000013 to 000016 for convenience.
9. Exhibit E is a photocopy of pages of a laboratory notebook illustrating another experiment testing compound AM404 for anandamide uptake in cells. These pages have been labeled with numbers 000017 to 000020 for convenience.
10. Exhibits A-E illustrate that administration of compound AM404 to cells inhibits transport of anandamide in those cells.

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Aug 2, 2006
Date

A. Makriyannis
Alexandros Makriyannis